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APPLICANT : CHEMO SERO THERAPEUT RES INST;

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TITLE : ANTI-ANGIOPATHIC REMODELING AGENT

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a medicine which contains apolipoprotein A-I and is useful for prevention and treatment of diseases caused by remodeling of blood vessel.

SOLUTION: Apolipoprotein A-I (abbreviated as apo A-I) is a main apolipoprotein constituting HDL and synthesized as a pre-protein in liver and intestines, then spliced to protein and secreted into plasma. In the blood, the pro-apo A-I is cleaved with a calcium-dependent protease to give the mature apo A-I having 243 amino acid sequence with a molecular weight 28,000. The apo A-I which is originated freshly from plasma or freshly prepared through the genetic engineering technique or within 5 day after storage at 4°C is used as an active ingredient. This apolipoprotein is particularly useful for the prevention and treatment of the restenosis of a blood vessel occurring after percutaneous translumen coronary angioplasty.

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